4-688

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	MINERA	AL SURVEY NO	4472
•••••	***************************************	Arizona	Land District.
		FIELD NOTES	
	Of The	Survey Of The Mining (	Claim Of
	R. E.	Schnure and J. J. Butt	ermore
		Known As The	
	R	ed Cross and Copper Cr	oss Lodes
		Cave Creek	Mining District,
***************************************	Maricopa	County,	Arizona
ection .		Township 5 North	, Range 4 East, GSRM
	3 and 4	Township 5 North  dated February 4  October 30	
	3 and 4	dated February 4	, 1 <u>9.57</u> 1958
	3 and 4	dated <u>February 4</u> October 30	19.57 1958 ert Lenon Mineral Surveyor.
	3 and 4 eyed under orders of the control of the con	dated February 4 October 30 by Robe	, 19.57 1958 ert Lenon Mineral Surveyor.
	3 and 4	dated February 4 October 30 by Robe	, 19.57 1958 ert Lenon Mineral Surveyor. , 19.54 , 19.57
	3 and 4  reyed under orders  Claim located	dated February 4 October 30 by Robo April 4 February 10	, 19.57 1958 ert Lenon Mineral Surveyor. , 19.54 , 19.57
	3 and 4 reyed under orders of Claim located	dated February 4 October 30 by Robe April 4 February 10 April 15	19.57 1958  ert Lenon  Mineral Surveyor.  19.54  19.57  19.57  19.57  Phoenix, Arizona

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This survey was made with a Berger Precise Transit No. 6072, with horizontal limb, 5½ ins. diam., having two double opposite verniers and full vertical circle, 5 ins. diam., having one double vernier; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of double horizontal angles referred to the meridian determined by the following observations: stand dated vasvoselb contrabed

February 10, 1957, at Cor. No. 1, Survey No. 4426, Mormon Girl Extension lode, in latitude 33° 48' N. and longitude 111° 56' W., I make a series of four altitude observations upon the sun for azimuth at approximately equal time intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from Cor. No. 2, 1500 ft. SE. to the sun.

Mean time of observation, (1) (2)

105th meridian standard time: 3h 40m 17s 3h 43m 05s p.m.

Declination of sun at mean time of observation: 14° 11½' S.

Mean observed vertical angles to sun's center:

25° 52½'

Mean horizontal angles from refer-

ence point to sun's center: 69° 05½ 69° 43'

True bearing to reference point: S. 19° 50' E.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths, and a Lufkin steel tape, 100 ft. in length, graudated to feet, tenths and hundredths; both tapes were compared with a Lufkin standard at the time of beginning of the survey and found to be correct.

All lines and connections of this survey were run by direct methods.

The geographic position at Cor. No. 3, Red Cross lode, was calculated to be in latitude 34° 48' 04" N. and longitude 111° 56' 02' W.

The magnetic declination observed at each corner of the survey gave a uniform value of 14° 15' E.

#### RED CROSS LODE

Gulch, & Lt. whie, course B. 3° W.

Beginning at Cor. No. 1, Red Cross lode.

Found an iron pipe, 1 in. diam., firmly set, stone mound alongside, with brass cap attached, mkd. RC-1, to which I added 4472; from

The E. & sec. cor. of sec. 4, T. 5 N., R. 4 E., G.& S.R.B.& M. bears S. 0° 16' 50" E., 1999.44 ft. dist.

Thence S. 21° 33' E.

125.00 Gulch, 5 ft. wide, course S. 55° W.

1445.13 Intersect line 1-2, Copper Cross lode, this survey.

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#### Mineral Survey No. 4472

	Achteicox Feet	Special Control of the Control of th
-	1452.40	
	COLUMN TO THE RESIDENCE OF THE PARTY OF THE	Found an iron pipe, 1 in. diam., in a stone mound, firmly set with a brass cap attached, mkd. RC-2, to which I added 4472.
		Thence S. 68° 18' 30' W.
	19.32	Intersect line 1-2, Copper Cross lode, this survey.
	300.00	Lode line, discovery point bears N. 21° 30' W., 702'.40 ft. dist.
	597.84	Cor. No. 3, falling on line 2-3, Sur. No. 2678, Mormon Girl lode.
n nh	for sections the section.	Found an iron pipe, 1 in. diam., firmly set in stone mound, with brass cap attached, mkd. RC-3, to which I added 4472.
		Thence N. 21° 41' 30" W. and but
	922.70	Cor. No. 4, identical with Cors. Nos. 2 and 3, Mormon Girl and Henry W. Grady lodes, both of Sur. No. 2678.
		Found an iron pipe, 1 in. diam., firmly set in a stone mound, a post, 4x4 ins. in size alongside, with brass cap attached, mkd. HWG-3-MG-2-2678-RC-4, to which I added 4472; from which
		The bearing rock for Sur. No. 2678 cors. was seen; no new marks were made.
		' Thence N. 21° 24' W
1	300.001	Gulch, 12 ft. wide, course N. 80° W. or ordy confloat
	410-00	Gulch, 10 ft. wide, course S. 80° W. C S. E. S. C. M. M. C S. C. M. C S. C. M. C S. C. M.
	529.70	Cor. No. 5, falling on line 2-3, Sur. No. 2678, Henry W. Grady lode.
Þо		Found an iron pipe, 1 in. diam., firmly set, stone mound alongside, with brass cap attached, mkd. RC-5, to which I added 4472.
St.	161 02	If about and .M. Thence N. 68° 18' 30" E. of height
	300.00	Lode line, discovery point bears S. 21° 30' E., 750 ft. dist.
	550.00	[18] 사용 보통 등 18 등 1
	598.62	Cor. No. 1 and place of beginning.
		COPPER CROSS LODE
		Beginning at Cor. No. 1, Copper Cross lode. 45 fastd adda
	.4 5.8.	Found an iron pipe, 1 in. diam., firmly set in a stone mound, with brass cap attached, mkd. TR37-1-CC-1, to which I added 4472; from which
		The ½ sec. cor. common to secs. 3 and 4 bears S. 32° 44' 45" W., 519.21 ft. dist.
		A schist outcrop, 24x36 ins., 42 ins. high, facing SW., bears N. 38° 13' E., 16.1 ft. dist., mkd. X-BR-CC-1-4472.
		Thence N. 47° 43' E.
	THE PERSON	

### . Mineral Survey No. 4472

&baths Feet	SERUTICATELY	Anesit?
304.33	[1] 사람 보고 있다면 보고 있는데 보고 있는데 함께 함께 HONGO	
324:99	Intersect line 1-2, Red Cross lode, this survey.	
1500.00	Cor. No. 2s guiled , abol agvil bed to this greeners, adt	10.01
orağ .ji	Found an iron pipe, 1 in. diam., firmly set in a stone mo brass cap attached, mkd. TR37-2-CC-2, to which I added 44	und, with 72.
	Thence S. 42° 17 E.	
300.00	Lode line, discovery point bears S. 47° 43' W., 950 ft. d	ist.
600.00	5, 18 ft. face, runs M. 20° E., 30 ft. to 110.8 no. No. No. 10. Cor. No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	C .un
Plede li	Found an iron pipe, 1 in. diam., brass cap attached, firm TR37-3-CC-3, to which I added 4472; from which	
	A granite outcrop, 24x36 ins. high, bears N. 48° 13' E ft. dist., mkd. X-BR-CC-3-4472.	
month (1)	Oc. 3 12 . A grand for Thence S. 47 43 W 12 4 . 300 A	No. 2
1500.00		
it. firem	Found an iron pipe, 1 in. diam., firmly set in a stone mobrass cap attached, mkd. TR37-4-CC-4, to which I added 44 which	
32 06	A schist outcrop, 36x42 ins., 48 ins. high, bears N. 8 E., 21.45 ft. dist., mkd. X-BR-CC-4472.	
	Thence N. 42° 17' W.	
20.00	A shaft, 6x10 ft. in size, 10 ft. deep.	
300.00	· Lode line, discovery point bears N. 47° 43' E., 550 ft. d	Lst.
600.00	Cor. No. 1 and place of beginning.	
	from the	
	ATAG JANAMEJATUR KWA RAOTIMIRORAN AREAS	
i .ani 44	Total area, Red Cross lode  Area in conflict with:	Acres 19.988
rs found 1360	Copper Cross lode of this survey Total area, Copper Cross lode	0.002 20.661
	The A sec. Ear. common to secs. S and 4 48 m coo pices, I common the second of the contract of	
a anolina	This survey is located in secs. 3 and 4, T. 5 N., R. 4 R.B.& M., Maricopa County Arizona.	E., G.& S.
n.Tolina	This survey is identical with the location as marked or by the General Land Office Segregation Survey of 1933.	the ground
	Log D. clearer	
Д.	onkant . william . worken Aftrew	
n.	nkant	

#### . Mineral Survey No. 4472

	Schainsc		Language
Sal.		EXPENDITURES	
		The improvements and the value of the labor and upon or for the benefit of the lode locations are a	
	No. 1	The discovery point of Red Cross lode, being on the ft. from a point on line 5-1, 300 ft. from Cor. No.	1.
	and, with	un from sive, 1 in. danm., tituly set sulay on me	
	No. 2	A cut, 4 ft. wide, the face of which bears S. 70° E Cor. No. 5, runs N. 20° E., 12 ft. to 6 ft. face. Value, \$75	., 150 ft. from
lo 2	No. 3	A cut, 5 ft. wide, the face of which bears E., 235 5, 18 ft. face, runs N. 20° E., 30 ft. to face and 4x6 ft. in size, running N. 20° E., 35 ft. to breas Value, \$1,000	portal of adit, t.
		3-30-2, to waiten I added 6472; from wilch	- VA 22
100	No. 1	The discovery point of the Copper Cross lode, being 550 ft. from a point on line 4-1, 300 ft. from Cor. No value	No. 1.
	No. 2	A cut, 4 ft. wide, the face of which bears N. 21° E Cor. No. 4, runs N. 20° E., 8 ft. to 5 ft. face. Value, \$50	., 50 ft. from
	No. 3	A cut, 3 ft. wide, the face of which bears N. 30° E Cor. No. 4, runs N. 80° E., 6 ft. to 4 ft. face.  Value \$25	DEMOT
	No. 4	A trench, 3 ft. wide, the face of which bears N. 32 from Cor. No. 4, runs N. 20° E., 8 ft. to 2½ ft. fa Value, \$25	° E., 160 ft.
		. OTHER IMPROVEMENTS	
		A shaft, 4x6 ft. in size, 8 ft. deep, bears N. 5° E Cor. No. 3, Red Cross lode.	., 475 ft. from
	.jai	A shaft, 5x7 ft. in size, 8 ft, deep, bears S. 38° from Cor. No. 2, Copper Cross lode.	30' E., 305 ft.
		A shaft, 6x10 ft. in size, 10 ft. deep, bears N. 42 from Cor. No. 4, Copper Cross lode.	°W., 20 ft. dist.
		OTHER CORNER DESCRIPTIONS AND SUPPLEMENTA	L DATA
	3325A	Sur. No. 2678, Henry W. Grady lode: Line 2-3 is sh	nown approx as approved.
	886.61	Sur. No. 2678, Mormon Girl lode: Cor. No. 3 is a p	oost, 4x4 ins. in
	0.002 20.662	size, set in stone mound, with faint markings; line be S. 21° 41' 30" E., 1352.40 ft. instead of S. 21° ft. as approved.	2-3 was found to
		The ½ sec. cor. common to secs. 3 and 4 is a GLO pi firmly set in stone mound, with brass cap attached,	
	3.53	NOTE: Discrepancies between the survey and the location notices.	
727	a che gro	FIELD ASSISTANTS	
		Frank Eastman	Instrumentman
		Joe D. Alvarez	Chainman
		Marlin E. Widger	Chainman

Chains	Mineral Survey No. 4472
Chains	Supplement-Expenditures
	April 14, 1959
No. 5	A shaft, 6 x 10 ft. in size, 10 ft. deep; the center of which bears N. 42°17° W., 20 ft. from Cor. No. 4, Copper Cross lode. This expenditure falls across line 4-1 of this lode and has heretofore been listed in other improvements of this survey. An undivided one-half interest is to be credited to this claim on the above date.  Value \$300.  Value of ½ interest: \$150.
No. 6	A shaft, 6 x 10 ft. in size, 8 ft. deep; the center of which bears S. 80° W., 270 ft. from Cor. No. 3, Copper Cross lode. Measured April 13, 1959.  Value \$220.
No - 7	A shaft, 6 x 6 ft. in size; 6 ft. deep; the center of which bears N. 73° W., 140 ft. from Cor. No. 3, Copper Cross lode. Measured April 13, 1959. Value \$100.
	Adm.
	Robert Lenon

Mineral Survey No. 4472	
Chains	Obsins
- Bupplement-Expenditures	
April 14, 1959	
ehaft, 6 x 10 ft. in size, 10 ft. desm; the center of which bears N. 42017' W., 20 ft. from Cor. No. 4, Copper Cross lose. This expenditure falls across line 4-1 of this lose and has heretofore	No. 5 A
been listed in other improvements of this survey. Am undivided one-helf interest is to be credited to this claim on the above date.	
Value of d interest: \$150.	
sheft, 5 x 10 ft. in size, 8 ft. desp; the center of which bears  S. 80° W., 270 ft. from Cor. No. 3, Copner Cross lede. Beasured  April 13, 1959.  Value \$22C.	A 0 . oil
sheft, 5 x 6 ft. in size; 5 ft. deep; the center of which bears N. 73 W., 140 ft. from Cor. No. 3, Copper Cross lode Messured April 13, 1959. Value \$100.	No. 7
Robert Lenon	

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

## CERTIFICATE OF SURVEYOR

I,Robert Lenon,
Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the Dept. of the
Interior, Bureau of Land Management ,at Phoenix, Arizona
February 4, 1957 dated
the mining claim of R. E. Schnure and J. J. Buttermore
known as the Red Cross and Copper Cross lodes
(Lode, placer, or mill site) situate in Cave Creek Mining District, Maricopa County, Arizona, Secs. 3 and 4,
T. 5 N. , R. 4 E. , Gila and Salt River Meridian, Arizona , and
designated as Survey No472, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made
upon or for the benefit of thelocation(s) embraced in the said mining claim by
claimant(s) or their grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.
$(\mathcal{A}(\mathcal{A}))$
Pata gonia, Arizona (Place) (Minoral Surveyor)
CERTIFICATE OF APPROVAL
Bureau of Land ManagementSurvey Office
Phoenix, Arizona March 11, 19 59  (Place) (Date)  The foregoing field notes of mineral survey No. 4472, in Sections 3 and 4
Arizona evecuted by Robert Lenon Gila and Salt River Meridian,
Arizona , executed by Robert Lenon , Mineral Surveyor, Inder order dated October 30, 1958 , having been critically examined and the necessary
orrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.
Lester S. Mann
Office Cadastral Engineer (Title)
CERTIFICATE OF TRANSCRIPT
I CERTIFY that the foregoing transcript of field notes of the above described mineral survey Nos a true copy of the original field notes.
U. S. GOVERNMENT PRINTING OFFICE 16—61973-1 (Title)

(Title)

# DEFARTMENT OF THE INTERIOR SUREAU OF LAND MANAGEMENT

#### CERTIFICATE OF SURVEYOR

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situate for thee Greek Chains Duovelet, Mario ou Jounty, Arthon., Soc. 3 and 4
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